

ABSTRACT

The invention relates to a method for defining the degree of fullness in a mill and the load toe angle (ϕ_k), where there are used oscillations directed to the mill electric motor, in order to define the toe of the mill load composed of the mass to be ground. According to the invention, from the obtained measurements $\hat{P}(n)$ related to the mill draw or torque, there is defined the phase (θ) of the mill oscillation by using a frequency domain analysis, and that by means of the mill oscillation phase (θ), there is defined the load toe angle (ϕ_k).